

Attorney Docket No.: 108-182USANA0

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Continuation Application of:

Applicants : Mark Schmidt, et al.  
Application Serial No.: 10/342,441  
Filing Date : January 12, 2003

Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Sir:

Prior to examination of the above-referenced Patent Application, please amend the same as follows:

**AMENDMENT TO THE SPECIFICATION:**

On Page 1, please correct the list of inventors as follows:

Inventors:  
Mark Schmidt  
Garrett Russell  
C. Harry Knowles  
Xiaoxun Zhu  
~~Alex Au Ka Man Au~~  
Congwei Xu  
Liang Liu  
Kai Ji  
Wuqing Zhang

And please amend the first paragraph as follows:

**RELATED CASES**

The present application is a continuation-in-part (CIP) of: ~~pending U.S. Application No. 09/960,247 filed September 21, 2001; pending U.S. Application No. 09/990,585 filed November 21, 2001; pending U.S. Application No. 10/ , (no serial number assigned yet) entitled~~

~~“Automatically Activated Hand Supportable Multi Mode Laser Scanning Bar Code Symbol Reading System” filed November 13, 2002; pending U.S. Application No. 09/999,687 filed October 31, 2001; pending U.S. Application No. 09/954,477 filed September 17, 2001; 09/883,130 filed June 15, 2001; pending U.S. Application No. 09/781,665 filed February 12, 2001; pending U.S. Application No. 09/780,027 filed February 9, 2001; pending U.S. Application No. 09/721,885 filed November 24, 2000; pending U.S. Application No. 09/047,146 filed March 24, 1998; pending U.S. Application No. 09/157,778 filed September 21, 1998; pending U.S. Application No. 09/274,265 filed March 22, 1999; U.S. Application No. 08/931,691 filed September 16, 1997, now U.S. Letters Patent 6,227,450; pending U.S. Application No. 09/327,756 filed June 7, 1999; pending U.S. Application No. 09/452,976 filed December 2, 1999, now U.S. Patent No. 6,595,420; U.S. Application No. 09/154,020 filed September 16, 1998, now abandoned; U.S. Application No. 09/204,176 filed December 3, 1998, now U.S. Letters Patent No. 6,283,375; International Application No. PCT/US01/44011 filed November 21, 2001, published by WIPO as WO 02/43195 A2 on May 30, 2002; and International Application No. PCT/US99/28743 filed December 3, 1999, published by WIPO as WO 00/33239 on June 8, 2000. Each said patent application is assigned to and commonly owned by Metrologic Instruments, Inc. of Blackwood, New Jersey, and is incorporated herein by reference in its entirety.~~

On Page 9, amend the eighth paragraph as follows:

~~Fig. 7 is Figs. 7A and 7B, taken together, set forth~~ a block schematic diagram showing the various subsystem component blocks associated with the implementation models of the wireless hand-supportable portable data terminal of the present invention, and its cradle-supporting base station interfaced with possible host systems and/or networks;

On Page 10, amend the third paragraph as follows:

~~Fig. 10A is Figs. 10A1 and 10A2, taken together, set forth~~ a flow chart illustrating the flow and interaction between the application and development programs running on the wireless portable data terminal and the application developer's computer system, respectively, and the user input and documents generated during this process, wherein flow chart on the left side of the figure illustrates events that occur during application development on the developer's computer

system including the generation of the final application in the form of binary executable code (i.e. m20) and the downloading of the same onto the wireless portable data terminal, and wherein the flow chart on the right side of the figure illustrates how the final application runs, when downloaded in binary executable code (i.e. m20) onto the wireless portable data terminal;

On Page 20, amend the first paragraph as follows:

The system architecture shown in Fig. 6 can be implemented using more specific implementation components shown in ~~Fig. 7~~ Figs. 7A and 7B.

On Page 21, amend the first paragraph as follows:

As shown in ~~Fig. 7~~ Figs. 7A and 7B, the data receiver circuit 40 employed in the base station 3 of the illustrative embodiment is realized using an IrDA receiver 50B, to matched to the IrDA transmitter 50A employed in the wireless PDT 2. The data transmission subsystem 14 is realized using a microcontroller 51 programmed to implement a communication controller 52 having a communication control module 53A, USB and RS232 communication control modules 54A and 54B, and a USB transceiver 55A and RS232 transceiver 55B, and a communication port 56. As shown, the data transmission subsystem 14 interfaces with the host system or network by way of the USB or RS232 communication interfaces, well known in the art. Also, battery recharging unit 17 is provided within the cradle of the base station for the purpose of recharging the battery power pack 6A when the PDT is inserted and stored within the cradle of the base station. When inserted within the cradle portion of the base station, the PDT automatically enters a data transmission mode of operation, and transmits any collected user data stored within the database maintained in SRAM 45, to the host system 15 to which the base station 3 is connected by way of either the USB or RS232 serial data communication interface. Details regarding such data communication interfaces is described in greater detail in copending US Application No. 09/960,247 filed September 21, 2001 incorporated herein by reference.

On Page 29, amend the sixth paragraph as follows:

~~Fig. 10A~~ is Figs. 10A1 and 10A2 set forth a flow chart illustrating the flow and interaction between the application and development programs running on the wireless portable data terminal and the application developer's computer system, respectively, and the user input

and documents generated during this process. Collectively, these development and deployment environments comprise an integrated development environment (IDE) capable of generating sophisticated applications. The blocks on the left side of Fig. 10 illustrate events that occur during application development on the developer's computer system including the generation of the final application in the form of binary executable code (i.e. m20) and the downloading of the same onto the wireless portable data terminal. The blocks on the right side of Fig. 10 illustrates how the final application runs, when downloaded in binary executable code (i.e. m20) onto the wireless portable data terminal.